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| Substitute for form 1449A/PTO | | | Complete if Known | |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i> | | | Application Number | 09/816.852 |
| | | | Filing Date | 03/23/2001 |
| | | | First Named Inventor | Seong Min Seo |
| | | | Art Unit | 2815 |
| | | | Examiner Name | Unknown |
| | | | Attorney Docket Number | AMKOR-024A |
| Sheet | 1 | of | 1 | |

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| Examiner Signature | Jasmine Clark | Date Considered | 6/3/04 |
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1 Applicant's unique citation designation number (optional). ² See Kind Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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| U.S. Department of Commerce, Patent and Trademark Office | Atty Docket No. | Serial No. |
| | AB-1128 US | 09/816,852 |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT | Applicants | |
| (Use several sheets if necessary) | Seong Min Seo, Young Suk Chung, Jon Sik Paek, Jae Hun Ku, Jae Hak Yee | |
| | Filing Date | Group |
| | March 23, 2001 | 2815 |

U.S. Patent Documents

| *Examiner Initial | | Document Number | Date | Name | Class | Subclass | Filing Date If Appropriate |
|-------------------|----|-----------------|------|------|-------|----------|----------------------------|
| | AA | | | | | | |
| | AB | | | | | | |
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Foreign Patent Documents

| | | | | | | | Translation | |
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| | | Document | Date | Country | Class | Subclass | Yes | No |
| nl | AL | 94-1979 | 1/3/94 | Korea | H01L | 21/56 | | X |
| nl | AM | 97-72358 | 11/7/97 | Korea | H01L | 23/50 | | X |
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OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

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| U.S. Department of Commerce, Patent and Trademark Office | | | | | Atty Docket No. | | Serial No. | |
| SEP 27 2001 | | | | | AB-1128 US | | 09/816,852 | |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT | | | | | Applicants | | | |
| (See several sheets if necessary) | | | | | Seong Min Seo, Young Suk Chung, Jon Sik Pack, Jae Hun Ku, Jae Hak Yee | | | |
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| | AD | | | | | | | |
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| Foreign Patent Documents | | | | | | | | |
| | | | | | | | Translation | |
| | | Document | Date | Country | Class | Subclass | Yes | No |
| gbe | AL | 1-106456 w/Eng. Abstract | 4/24/89 | Japan | H011 | 23/50 | | X |
| | AM | | | | | | | |
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| OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.) | | | | | | | | |
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| Foreign Patent Documents | | | | | | | | |
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| Examiner <u>Jasmine Clark</u> | | Date Considered <u>06/03/04</u> | | | | | | |
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| | | | | | March 23, 2001 | | N/A | |
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| *Examiner Initial | | Document Number | Date | Name | Class | Subclass | Filing Date If Appropriate | |
| Jbe | AA | 5,258,094 | 11/2/93 | Furui, et al. | 156 | 634 | | |
| | AB | 5,278,446 | 1/11/94 | Nagaraj, et al. | 257 | 707 | | |
| | AC | 5,435,057 | 7/25/95 | Bindra, et al. | 29 | 830 | | |
| | AD | 5,783,861 | 7/21/98 | Son | 253 | 693 | | |
| | AE | 5,835,988 | 11/10/98 | Ishii | 257 | 684 | | |
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| | AJ | 4,707,724 | 11/17/87 | Suzuki, et al. | 357 | 71 | | |
| | AK | 4,756,080 | 7/12/88 | Throp, Jr., et al. | 29 | 827 | | |
| Jbe | AL | 5,273,938 | 12/28/93 | Lin, et al. | 437 | 207 | | |
| Foreign Patent Documents | | | | | | | | |
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| | | Document | Date | Country | Class | Subclass | Yes | No |
| Jbe | AM | 794 572 A2 | 9/10/97 | EPO | H01L | 23/495 | X | |
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| OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.) | | | | | | | | |
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| | | | | | March 23, 2001 | | N/A | |
| U.S. Patent Documents | | | | | | | | |
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| <i>me</i> | AA | 5,521,429 | 5/28/96 | Aono, et al. | 257 | 676 | | |
| | AB | 5,981,314 | 11/9/99 | Glenn, et al. | 438 | 127 | | |
| | AC | 6,143,981 | 11/7/00 | Glenn | 174 | 52.4 | | |
| | AD | 5,336,931 | 8/9/94 | Juskey, et al. | 257 | 787 | | |
| | AE | 5,977,613 | 11/2/99 | Takata, et al. | 257 | 666 | | |
| | AF | 5,776,798 | 7/7/98 | Quan, et al. | 438 | 112 | | |
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| | | | | | | | Translation | |
| | | Document | Date | Country | Class | Subclass | Yes | No |
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| | AM | 55-163868 w/Eng. Abstract | 12/20/80 | Japan | H01L | 23/48 | | X |
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| <i>me</i> | AQ | 59-227143 w/Eng. Abstract | 12/20/84 | Japan | H01L | 23/12 | | X |
| OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.) | | | | | | | | |
| | AR | | | | | | | |
| Examiner | <i>Jasmin Clark</i> | | | Date Considered <i>06/03/04</i> | | | | |
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| | | | | | March 23, 2001 | | N/A | |
| U.S. Patent Documents | | | | | | | | |
| *Examiner Initial | | Document Number | Date | Name | Class | Subclass | Filing Date If Appropriate | |
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| | AL | 5,894,108 | 4/13/99 | Mostafazadeh, et al. | 174 | 52.4 | | |
| | AM | 6,001,671 | 12/14/99 | Fjelstad | 438 | 112 | | |
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| Foreign Patent Documents | | | | | | | | |
| | | | | | | | Translation | |
| | AO | Document | Date | Country | Class | Subclass | Yes | No |
| mbe | AP | 8-125066 | 5/17/96 | Japan | H01L | 23/12 | X | |
| | AQ | 8-306853 | 11/22/96 | Japan | H01L | 23/50 | X | |
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| | AS | 9-8206 | 1/10/97 | Japan | H01L | 23/50 | X | |
| | AT | 9-8207 | 1/10/97 | Japan | H01L | 23/50 | X | |
| OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.) | | | | | | | | |
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| Examiner | | Jasmine Clark | | Date Considered | | 06/03/04 | | |
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| | | | | | March 23, 2001 | | N/A | |

| U.S. Patent Documents | | | | | | | | |
|---|--------------------------|------------------------------|----------|---------------------------------|----------|----------------------------|-------------|---|
| *Examiner Initial | Document Number | Date | Name | Class | Subclass | Filing Date If Appropriate | | |
| Jbe | AA | 6,229,200 | 5/8/01 | McLellan, et al. | 257 | 666 | | |
| | AB | 4,812,896 | 3/14/89 | Rothgery, et al. | 357 | 70 | | |
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| | AF | 5,214,845 | 6/1/93 | King, et al. | 29 | 841 | | |
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| | AM | 5,343,076 | 8/30/94 | Katayama, et al. | 257 | 717 | | |
| | AN | 5,406,124 | 4/11/95 | Morita, et al. | 257 | 783 | | |
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| | Foreign Patent Documents | | | | | | | |
| | | | | | | | Translation | |
| | Document | Date | Country | Class | Subclass | Yes | No | |
| Jbe | AP | 57-45959 w/Eng. Abstract | 3/16/82 | Japan | H01L | 23/28 | | X |
| | AQ | 62-9639 | 1/17/87 | Japan | H01L | 21/56 | X | |
| | AR | 61-39555 w/Eng. Abstract | 2/25/86 | Japan | H01L | 23/36 | | X |
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| | AT | 63-233555 w/Eng. Abstract | 9/29/88 | Japan | H01L | 23/30 | | X |
| | AU | 7-312405 | 11/28/95 | Japan | H01L | 23/50 | X | |
| OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.) | | | | | | | | |
| | AV | | | | | | | |
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